

1. Show that $5^{\frac{1}{3}}$ is equal to $\sqrt[3]{5}$ by cubing each expression. Show your work in detail.

$5^{\frac{1}{3}} = \sqrt[3]{5}$ because you need to multiply
the 5 by $\frac{1}{3}$, but that creates an awkward
number, so you move it to the outside